

# ACT Profile Report - State

Graduating Class 2009  
Alabama





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This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

This report focuses on:

**Performance** - student test performance in the context of college readiness

**Access** - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

**College Readiness** - percent of students meeting ACT College Readiness Benchmark Scores in each content area

**Awareness** - extent to which student aspirations match performance

**Articulation** - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

16% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT:** 35,809 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY:** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 72% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES:** Table 3.2 reports 9% of the cohort took less than three years of math courses. Of these students, 3% were college ready. 13% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 6% of these students were college ready. In comparison, 36% of the students who advanced beyond minimum math core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 20% of the cohort took less than three years of natural science courses. 10% of these students were college ready. In comparison, 25% of students who took at least three years of science coursework were college ready.

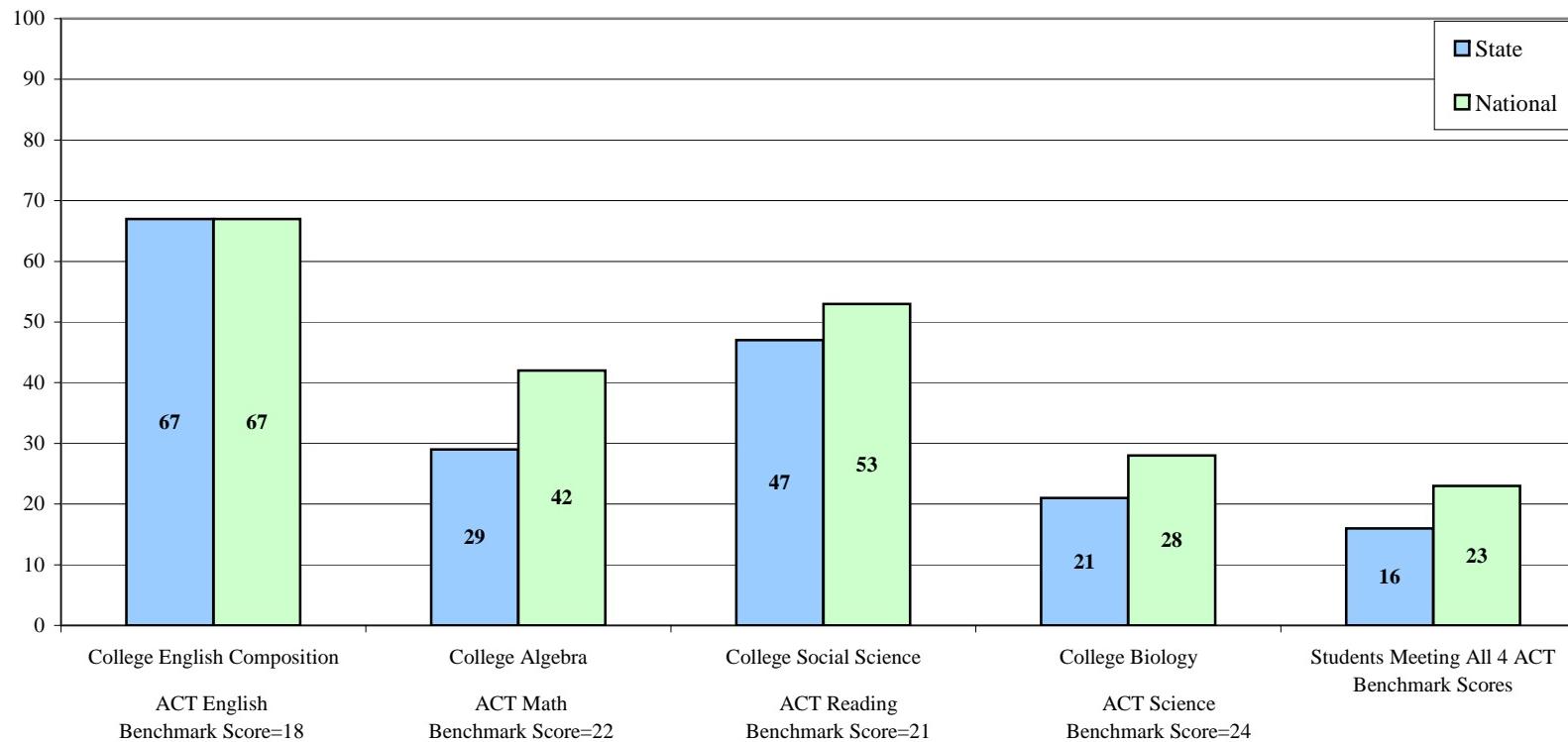
**EVALUATING RIGOR OF COURSES:** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 61% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS:** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

# Section I

# Executive Summary

**Figure 1.1. Percent of Your Students Ready for College-Level Coursework**

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

**Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks**

Year	Number of Students Tested		Percent Meeting Benchmarks									
	State	National	English		Mathematics		Reading		Science		Meeting All Four	
			State	National	State	National	State	National	State	National	State	National
2005	32,122	1,186,251	67	68	29	41	45	51	20	26	15	21
2006	32,860	1,206,455	67	69	30	42	47	53	20	27	15	21
2007	34,187	1,300,599	67	69	30	43	46	53	21	28	16	23
2008	35,590	1,421,941	68	68	30	43	48	53	21	28	16	22
<b>2009</b>	<b>35,809</b>	<b>1,480,469</b>	<b>67</b>	<b>67</b>	<b>29</b>	<b>42</b>	<b>47</b>	<b>53</b>	<b>21</b>	<b>28</b>	<b>16</b>	<b>23</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
			State	National	State	National	State	National	State	National	State	National
2005	32,122	1,186,251	20.3	20.4	19.4	20.7	20.5	21.3	20.1	20.9	20.2	20.9
2006	32,860	1,206,455	20.3	20.6	19.5	20.8	20.6	21.4	20.1	20.9	20.2	21.1
2007	34,187	1,300,599	20.3	20.7	19.5	21.0	20.7	21.5	20.1	21.0	20.3	21.2
2008	35,590	1,421,941	20.6	20.6	19.5	21.0	20.8	21.4	20.1	20.8	20.4	21.1
<b>2009</b>	<b>35,809</b>	<b>1,480,469</b>	<b>20.5</b>	<b>20.6</b>	<b>19.5</b>	<b>21.0</b>	<b>20.7</b>	<b>21.4</b>	<b>20.1</b>	<b>20.9</b>	<b>20.3</b>	<b>21.1</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested		Average ACT Scores					
	State	National	English	Mathematics	Reading	Science	Composite	
			State	National	State	National	State	National
2005		1,186,251	20.4	20.7	21.3	20.9	20.9	
2006		1,206,455	20.6	20.8	21.4	20.9	21.1	
2007		1,300,599	20.7	21.0	21.5	21.0	21.2	
2008		1,421,941	20.6	21.0	21.4	20.8	21.1	
<b>2009</b>		<b>1,480,469</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.9</b>	<b>21.1</b>	

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Year	Number of Students Tested		Percent <sup>2</sup>		English		Mathematics		Reading		Science		Composite	
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2005	20,569	9,798	64	31	21.4	18.2	20.2	17.8	21.3	18.6	20.8	18.6	21.0	18.4
2006	20,080	10,398	61	32	21.4	18.2	20.3	17.8	21.5	18.9	20.8	18.7	21.1	18.5
2007	19,448	11,236	57	33	21.3	18.4	20.2	18.1	21.5	19.2	20.8	18.8	21.1	18.8
2008	23,336	10,408	66	29	21.6	18.3	20.3	17.8	21.6	19.0	20.8	18.5	21.2	18.5
<b>2009</b>	<b>25,919</b>	<b>9,442</b>	<b>72</b>	<b>26</b>	<b>21.5</b>	<b>17.9</b>	<b>20.2</b>	<b>17.5</b>	<b>21.6</b>	<b>18.6</b>	<b>20.8</b>	<b>18.3</b>	<b>21.2</b>	<b>18.2</b>

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity**

	2005			2006			2007			2008			2009		
	N	%	Avg												
All Students	32,122	100	20.2	32,860	100	20.2	34,187	100	20.3	35,590	100	20.4	35,809	100	20.3
African American/Black	8,011	25	17.1	8,240	25	17.2	8,801	26	17.2	9,349	26	17.2	9,858	28	17.2
American Indian/Alaska Native	312	1	20.1	299	1	20.3	254	1	20.8	330	1	20.5	315	1	20.2
Caucasian American/White	21,649	67	21.3	21,664	66	21.3	21,482	63	21.4	23,054	65	21.5	23,381	65	21.6
Hispanic	369	1	20.1	374	1	20.3	410	1	20.1	518	1	20.3	509	1	20.6
Asian American/Pacific Islander	408	1	22.5	381	1	22.7	409	1	22.6	497	1	23.0	493	1	23.7
Other/No Response	1,373	4	20.5	1,902	6	20.4	2,831	8	21.0	1,842	5	21.3	1,253	3	20.7

# Section II

# Academic Achievement

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	129	100	49	100	265	100	48	100	10	100	36
35	380	100	78	100	124	99	98	100	58	100	35
34	421	99	147	100	427	99	132	100	121	100	34
33	475	97	228	99	700	98	141	99	192	99	33
32	453	96	237	99	356	96	92	99	286	99	32
31	544	95	234	98	772	95	233	99	431	98	31
30	908	93	253	97	937	93	371	98	620	97	30
29	626	91	500	97	934	90	472	97	658	95	29
28	984	89	648	95	935	87	547	96	869	93	28
27	862	86	774	93	1,065	85	673	94	1,008	91	27
26	1,433	84	1,231	91	1,089	82	1,264	92	1,291	88	26
25	1,654	80	1,416	88	1,151	79	2,150	89	1,437	85	25
24	1,634	75	1,726	84	1,740	76	1,468	83	1,719	81	24
23	1,859	71	1,530	79	1,754	71	2,458	79	1,943	76	23
22	2,196	65	1,478	75	2,010	66	2,241	72	2,244	70	22
21	2,585	59	1,858	71	2,645	60	3,125	65	2,687	64	21
20	2,590	52	1,875	65	2,388	53	4,138	57	2,885	57	20
19	2,337	45	2,234	60	2,380	46	3,461	45	3,104	48	19
18	1,789	38	2,806	54	1,848	39	3,179	35	3,085	40	18
17	1,872	33	4,395	46	2,421	34	1,900	27	2,898	31	17
16	2,130	28	5,552	34	2,601	28	2,047	21	2,701	23	16
15	2,300	22	4,010	18	1,880	20	1,448	16	2,140	16	15
14	1,270	16	1,841	7	2,058	15	1,285	12	1,643	10	14
13	1,130	12	507	2	1,470	9	1,147	8	1,087	5	13
12	953	9	134	1	957	5	702	5	510	2	12
11	813	6	43	1	542	3	518	3	143	1	11
10	661	4	10	1	201	1	248	1	30	1	10
9	470	2	8	1	63	1	144	1	6	1	9
8	215	1	6	1	62	1	52	1	1	1	8
7	92	1	0	1	17	1	13	1	1	1	7
6	35	1	0	1	7	1	10	1	1	1	6
5	5	1	0	1	6	1	1	1	0	1	5
4	3	1	1	1	2	1	1	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	1	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	20.5 (6.1)		19.5 (4.6)		20.7 (5.9)		20.1 (4.6)		20.3 (4.8)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subtest Score Averages**

ACT Scale Score	English				Reading				Mathematics								ACT Scale Score	
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry					
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP		
18	1,377	100	454	100	803	100	1,368	100	655	100	166	100	193	100	18	18		
17	1,165	96	248	99	1,089	98	794	96	1,260	98	146	100	66	99	99	17		
16	1,417	93	1,786	98	1,399	95	2,307	94	1,045	95	613	99	623	99	99	16		
15	1,938	89	2,022	93	2,227	91	2,507	88	1,443	92	672	97	886	98	98	15		
14	1,585	84	2,259	87	1,742	85	2,687	81	1,641	88	2,159	96	1,702	95	95	14		
13	2,267	79	2,560	81	2,324	80	1,704	73	1,922	83	1,770	90	2,800	90	90	13		
12	2,718	73	3,895	74	3,160	73	2,690	68	3,115	78	3,412	85	2,280	82	82	12		
11	3,123	65	3,640	63	2,911	64	3,412	61	2,746	69	3,648	75	3,932	76	76	11		
10	4,359	56	4,483	53	4,111	56	3,145	51	3,782	61	7,298	65	4,887	65	65	10		
9	3,931	44	4,440	40	4,697	45	2,788	42	3,546	51	6,071	44	4,889	51	51	9		
8	2,916	33	3,414	28	4,497	32	3,566	35	5,360	41	4,205	28	5,230	38	38	8		
7	3,119	25	2,727	18	3,578	19	2,839	25	5,710	26	2,527	16	2,640	23	23	7		
6	2,528	16	1,294	11	1,782	9	2,491	17	2,472	10	1,042	9	2,323	16	16	6		
5	1,512	9	1,349	7	829	4	2,192	10	682	3	1,124	6	1,559	9	9	5		
4	1,165	5	868	3	343	2	815	4	288	1	456	3	750	5	5	4		
3	512	2	314	1	209	1	375	1	113	1	367	1	718	3	3	3		
2	163	1	53	1	94	1	124	1	26	1	59	1	183	1	1	2		
1	14	1	3	1	14	1	5	1	3	1	74	1	148	1	1	1		
Avg (SD)	10.3 (3.7)		10.4 (3.2)		10.5 (3.3)		10.5 (3.8)		10.0 (3.3)		9.9 (2.7)		9.5 (3.0)		Avg (SD)			

<sup>1</sup>CP is the cumulative percent of students at or below a score point.**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	24	23	24	23	23
Q2 (50th Percentile)	20	18	20	20	20
Q1 (25th Percentile)	16	16	16	17	17

**Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score Core or More	Average ACT Composite Score Less Than Core
State	All Students	35,809	72	21.2	18.2
	African American/Black	9,858	65	17.8	16.1
	American Indian/Alaska Native	315	69	21.2	18.2
	Caucasian American/White	23,381	75	22.3	19.3
	Hispanic	509	72	21.3	18.8
	Asian American/Pacific Islander	493	82	24.3	20.8
	Other/No Response	1,253	68	21.7	18.7
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.5	19.5	20.7	20.1	20.3
	African American/Black	16.7	16.7	17.1	17.6	17.2
	American Indian/Alaska Native	20.4	19.3	20.8	20.0	20.2
	Caucasian American/White	22.0	20.5	22.1	21.1	21.6
	Hispanic	20.4	20.0	21.1	20.4	20.6
	Asian American/Pacific Islander	23.5	24.2	23.4	23.1	23.7
	Other/No Response	20.8	20.1	21.1	20.4	20.7
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 35,809

**Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges**

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	1,405	4	502	1	1,516	4	419	1
	28 to 32	3,515	10	1,872	5	3,934	11	1,715	5
	24 to 27	5,583	16	5,147	14	5,045	14	5,555	16
	20 to 23	9,230	26	6,741	19	8,797	25	11,962	33
	16 to 19	8,128	23	14,987	42	9,250	26	10,587	30
	13 to 15	4,700	13	6,358	18	5,408	15	3,880	11
	01 to 12	3,248	9	202	1	1,859	5	1,691	5
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	Average ACT Scores						
		N	Percent	English	Mathematics	Reading	Science	Composite
State	Males	16,171	45	20.2	20.0	20.8	20.6	20.6
	Females	19,582	55	20.7	19.0	20.6	19.7	20.1
	Missing	56	0	18.3	18.5	18.4	18.4	18.6
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

**Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	64	34	48	26	20	
	Females	68	26	47	18	13	
National	Males	65	47	52	33	27	
	Females	69	38	53	24	20	

**Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>3</sup>	Avg
State	Core or More <sup>2</sup>	25,919	74	21.5	36	20.2	53	21.6	26	20.8	20	21.2
	Less than Core	9,442	49	17.9	13	17.5	31	18.6	10	18.3	7	18.2
	Missing	448	33	16.0	9	16.7	20	16.8	6	17.3	3	16.8
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

<sup>1</sup>"Curriculum Taken" reflects overall high school curriculum in this table.<sup>2</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.<sup>3</sup>Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	34,800	67	20.6	32,406	32	19.8	33,488	48	20.9	28,168	25	20.6
	Less than Core	694	44	17.1	3,026	3	16.0	1,955	33	18.7	7,268	10	18.2
	Missing	315	35	16.5	377	10	16.8	366	22	17.0	373	6	17.4
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

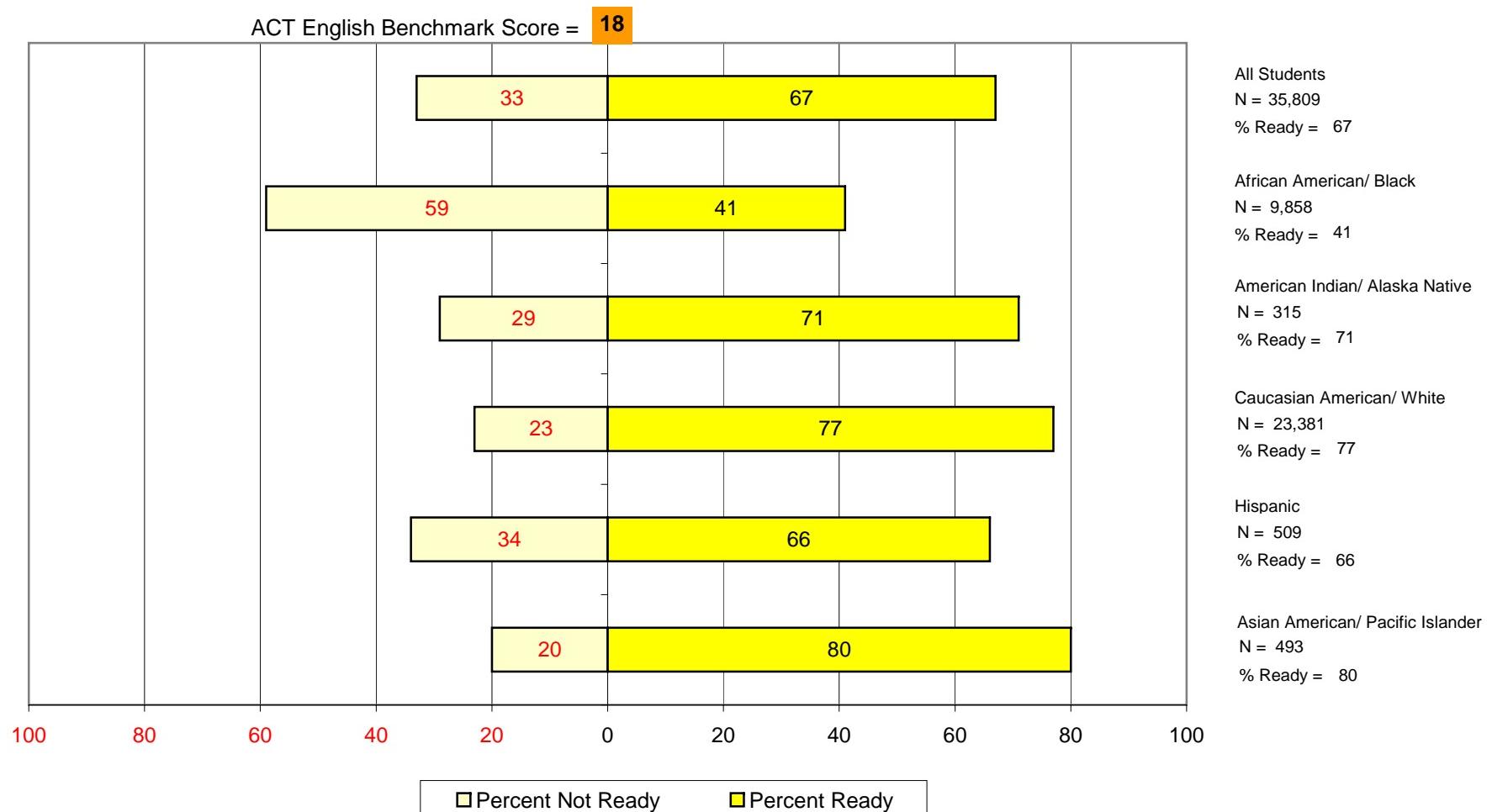
<sup>1</sup>"Curriculum Taken" reflects content-specific curriculum in this table.

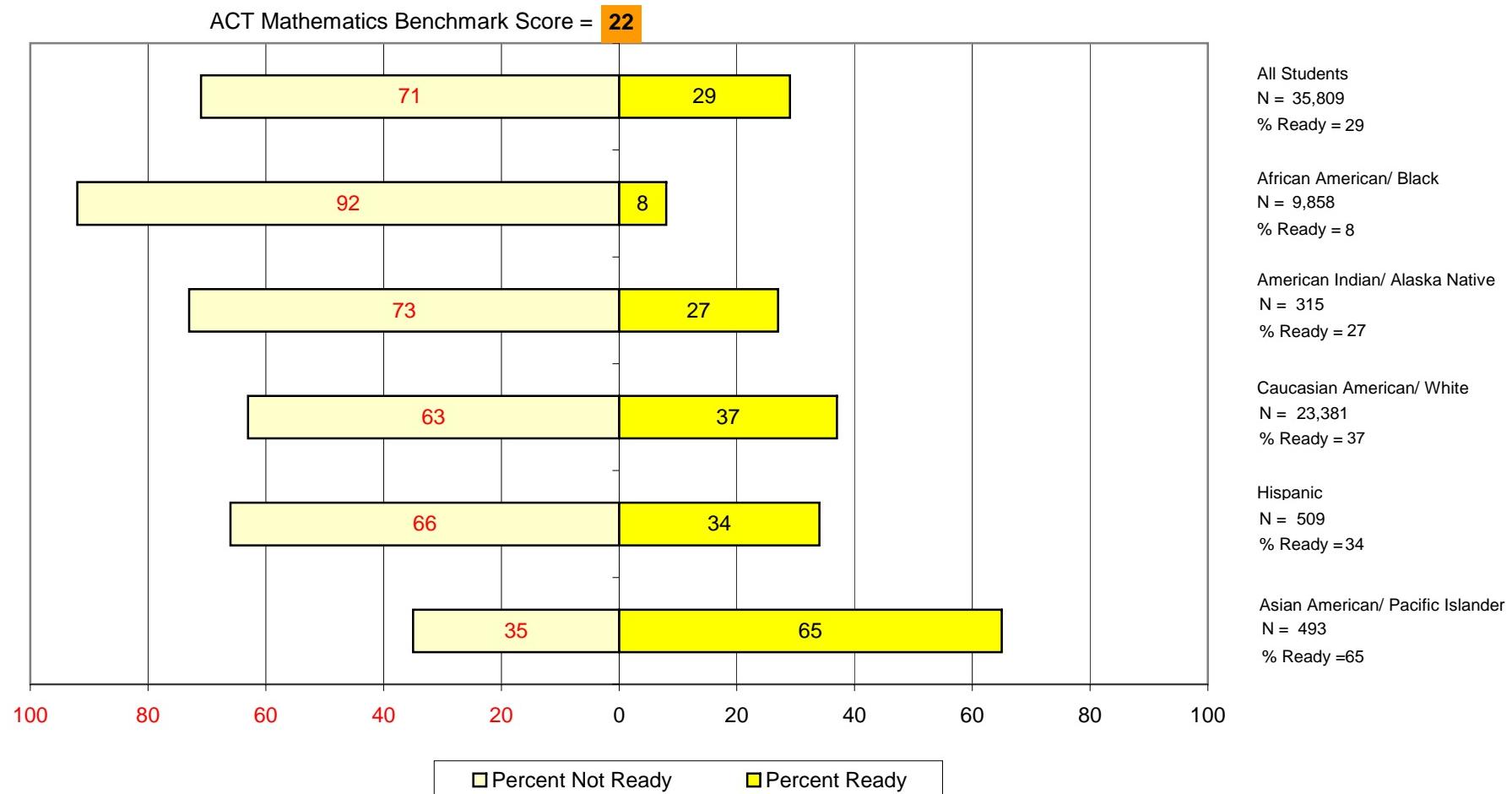
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

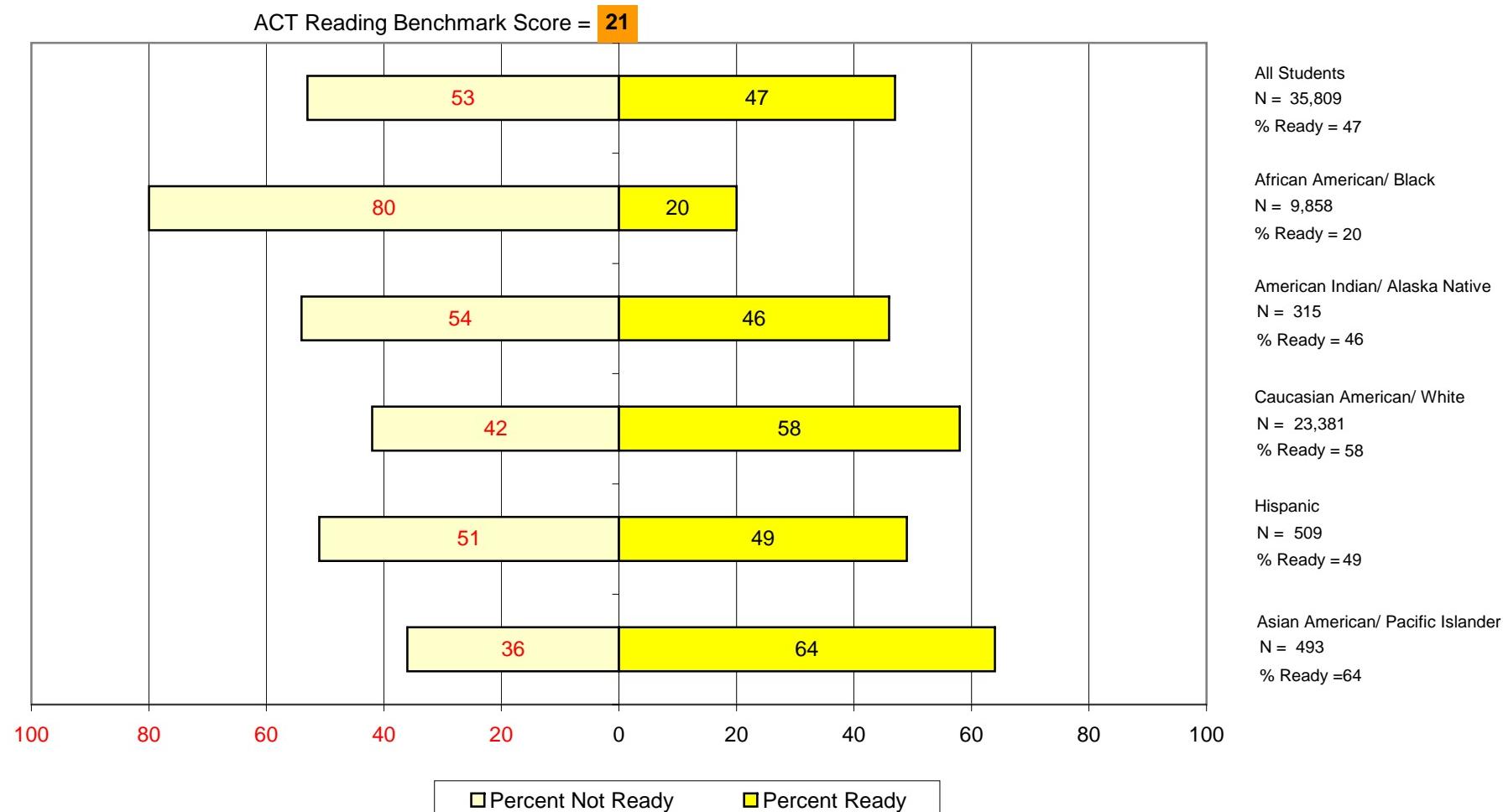
# Section III

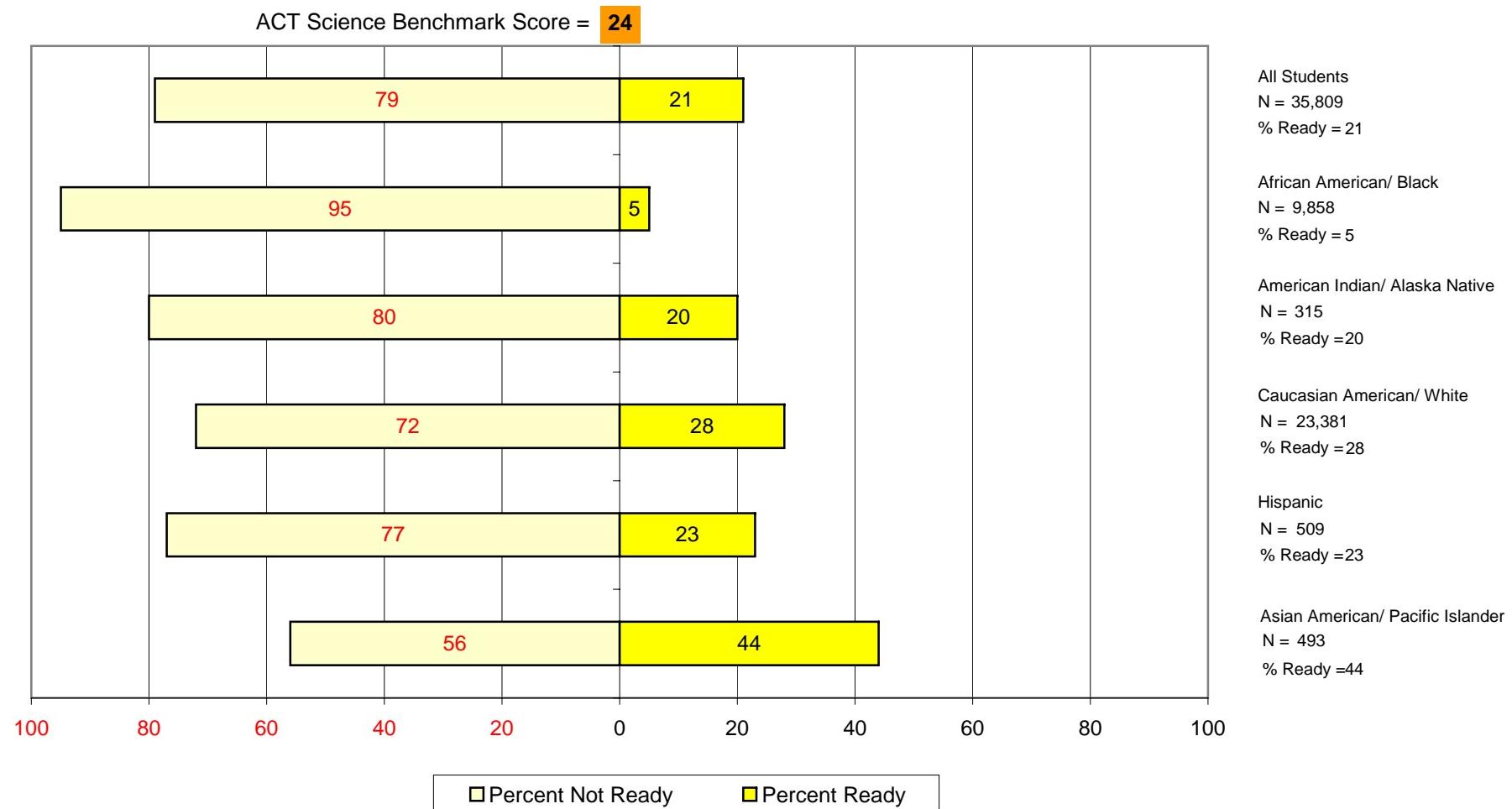
# College Readiness and the

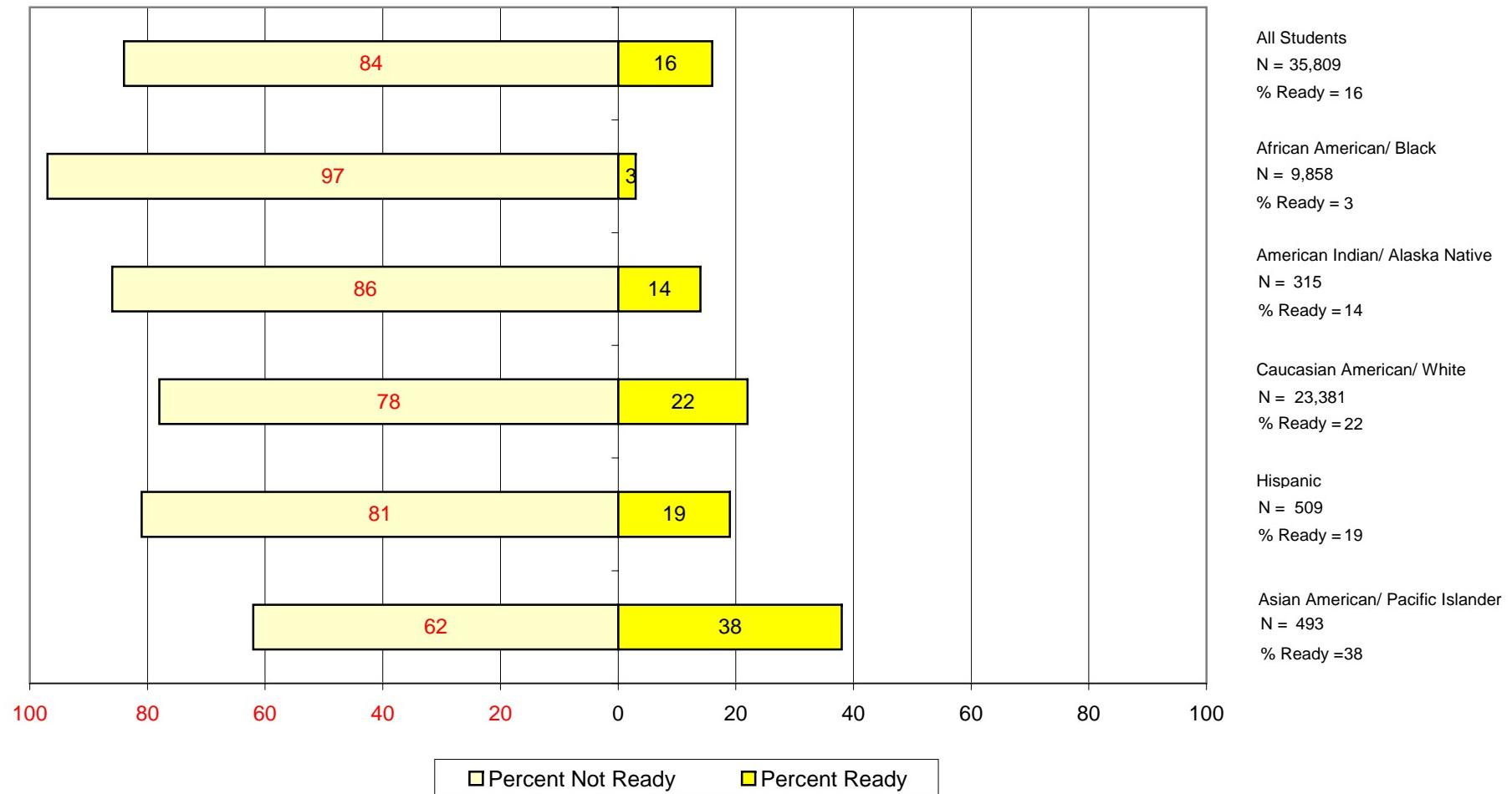
# Impact of Course Rigor

**Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH**

**Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS**

**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING**

**Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE**

**Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR**

**Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns**

Course Pattern	All Students					Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	
ENGLISH COURSE PATTERN													
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	6,345	18	21.6	4.6	2,802	17	21.4	4.6	3,536	18	21.8	4.4	
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	28,455	79	20.4	3.4	12,828	79	20.1	3.3	15,597	80	20.6	3.2	
Less than 4 years of English	704	2	17.0	-	362	2	16.8	-	335	2	17.4	-	
No English course/grade information reported	305	1	16.5	-	179	1	16.6	-	114	1	16.3	-	
MATHEMATICS COURSE PATTERN	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>	N	Percent	ACT Math	Course Value Added <sup>1</sup>	
Alg 1, Alg 2, Geom, Trig, & Calc	2,358	7	21.1	5.1	1,023	6	21.9	5.7	1,332	7	20.5	4.7	
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,893	14	20.3	4.3	1,853	11	21.1	4.9	3,036	16	19.8	4.0	
Alg 1, Alg 2, Geom, & Trig	3,142	9	18.1	2.1	1,417	9	18.6	2.4	1,724	9	17.6	1.8	
Alg 1, Alg 2, Geom, & Other Adv Math	3,418	10	18.5	2.5	1,436	9	19.0	2.8	1,979	10	18.2	2.4	
Other comb of 4 or more years of Math	12,436	35	21.6	5.6	5,983	37	22.2	6.0	6,441	33	20.9	5.1	
Alg 1, Alg 2, & Geom (Min. Core)	4,485	13	16.7	0.7	2,035	13	17.0	0.8	2,441	12	16.5	0.7	
Other comb of 3 or 3.5 years of Math	1,674	5	18.1	2.1	844	5	18.3	2.1	826	4	17.8	2.0	
Less than 3 years of Math	3,072	9	16.0	-	1,383	9	16.2	-	1,681	9	15.8	-	
No Math course/grade information reported	331	1	17.0	-	197	1	17.4	-	122	1	16.4	-	
SOCIAL SCIENCE COURSE PATTERN	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	N	Percent	ACT Reading	Course Value Added <sup>1</sup>	
US Hist, World Hist, Am Gov, & Other Hist	771	2	21.4	2.7	389	2	21.3	2.4	380	2	21.5	3.1	
Other comb of 4 or more years Social Science	21,578	60	21.3	2.6	9,590	59	21.4	2.5	11,970	61	21.2	2.8	
US Hist, World Hist, & Am Gov (Min. Core)	1,286	4	19.1	0.4	634	4	19.4	0.5	651	3	18.9	0.5	
Other comb of 3 or 3.5 years of Social Science	9,853	28	20.1	1.4	4,401	27	20.3	1.4	5,440	28	19.9	1.5	
Less than 3 years of Social Science	1,974	6	18.7	-	954	6	18.9	-	1,009	5	18.4	-	
No Soc Sci course/grade information reported	347	1	17.0	-	203	1	17.3	-	132	1	16.5	-	
NATURAL SCIENCE COURSE PATTERN	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>	N	Percent	ACT Science	Course Value Added <sup>1</sup>	
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	14,196	40	20.9	2.7	6,956	43	21.7	3.3	7,230	37	20.2	2.2	
Bio, Chem, Phys	1,906	5	23.6	5.4	889	5	24.7	6.3	1,014	5	22.7	4.7	
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	11,010	31	20.0	1.8	4,402	27	20.2	1.8	6,589	34	19.8	1.8	
Other comb of 3 years of Natural Science	1,056	3	18.2	0.0	542	3	18.8	0.4	514	3	17.6	-0.4	
Less than 3 years of Natural Science	7,311	20	18.2	-	3,190	20	18.4	-	4,110	21	18.0	-	
No Nat Sci course/grade information reported	330	1	17.4	-	192	1	17.7	-	125	1	16.8	-	

<sup>1</sup>Course value added is defined as the average ACT score change compared to a less than core course sequence.<sup>2</sup>Includes General, Physical and Earth Sciences.

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	N	State			National			
		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	6,345	18	21.6	73	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	28,455	79	20.4	66	1,029,431	70	20.6	68
Less than 4 years of English	704	2	17.0	44	74,090	5	16.7	42
No English course/grade information reported	305	1	16.5	34	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	2,358	7	21.1	42	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,893	14	20.3	36	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	3,142	9	18.1	17	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	3,418	10	18.5	21	220,868	15	20.1	36
Other comb of 4 or more years of Math	12,436	35	21.6	47	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	4,485	13	16.7	6	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	1,674	5	18.1	16	70,732	5	20.1	35
Less than 3 years of Math	3,072	9	16.0	3	105,591	7	16.5	7
No Math course/grade information reported	331	1	17.0	11	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	771	2	21.4	50	46,754	3	22.8	61
Other comb of 4 or more years Social Science	21,578	60	21.3	52	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	1,286	4	19.1	37	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	9,853	28	20.1	42	420,236	28	21.3	52
Less than 3 years of Social Science	1,974	6	18.7	33	152,775	10	19.7	40
No Soc Sci course/grade information reported	347	1	17.0	22	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	14,196	40	20.9	28	563,824	38	22.2	39
Bio, Chem, Phys	1,906	5	23.6	49	141,531	10	23.3	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	11,010	31	20.0	19	459,833	31	20.1	21
Other comb of 3 years of Natural Science	1,056	3	18.2	9	41,353	3	19.8	21
Less than 3 years of Natural Science	7,311	20	18.2	10	233,215	16	18.4	11
No Nat Sci course/grade information reported	330	1	17.4	6	40,713	3	17.7	11

<sup>1</sup>Includes General, Physical and Earth Sciences.

# Section IV

# Career and Educational Aspirations

**Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans**

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	718	2	18.2	80	3	15.8	589	2	18.5
Architecture & Environmental Design	724	2	20.7	36	2	17.5	648	2	21.0
Business & Management	3,128	9	19.8	150	6	16.7	2,784	9	20.0
Business & Office	317	1	18.4	34	1	16.6	257	1	18.7
Marketing & Distribution	281	1	19.9	17	1	15.8	253	1	20.2
Communications & Comm. Technologies	794	2	20.9	45	2	16.7	712	2	21.2
Community & Personal Services	842	2	18.1	103	4	16.6	690	2	18.4
Computer & Information Sciences	956	3	20.5	78	3	17.5	821	3	20.8
Cross-Disciplinary Studies	42	0	22.6	0	0	.	37	0	22.7
Education	1,556	4	19.9	55	2	15.5	1,424	5	20.1
Teacher Education	1,155	3	19.1	51	2	16.0	1,032	3	19.4
Engineering	2,074	6	21.6	102	4	15.9	1,875	6	22.0
Engineering-Related Technologies	1,096	3	21.5	56	2	17.2	971	3	21.9
Foreign Languages	163	0	24.2	1	0	22.0	153	0	24.4
Health Sciences & Allied Health Fields	8,897	25	20.1	659	28	16.9	7,889	26	20.5
Human, Family & Consumer Science	420	1	18.4	54	2	16.9	340	1	18.7
Letters	180	1	24.3	6	0	17.7	166	1	24.6
Mathematics	181	1	21.9	5	0	18.6	156	1	22.0
Philosophy, Religion & Theology	212	1	22.4	5	0	15.8	195	1	22.7
Sciences (Biological & Physical)	1,646	5	22.7	18	1	16.9	1,561	5	22.8
Social Sciences	1,937	5	21.3	30	1	18.1	1,848	6	21.4
Trade & Industrial	415	1	17.3	216	9	16.6	168	1	18.2
Visual & Performing Arts	1,891	5	20.6	129	6	16.6	1,614	5	21.0
Undecided	5,307	15	20.5	346	15	16.6	4,451	14	20.9
No Response	877	2	17.2	49	2	15.2	194	1	17.8

<sup>1</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N count for All Students.<sup>2</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations**

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	331	16.4	92	14.7	4	17.8	221	17.0	4	19.5	3	16.3	7	14.6
2-yr College Degree	1,994	16.7	624	15.1	22	17.1	1,255	17.5	29	15.7	13	17.1	51	16.8
Bachelors Degree	14,628	19.5	3,751	16.6	105	19.2	10,024	20.5	204	19.5	138	21.0	406	19.6
Graduate Study	5,375	22.0	1,174	18.3	47	21.3	3,879	23.1	65	22.1	55	24.1	155	22.2
Prof. Level Degree	10,825	21.8	3,346	18.3	118	21.8	6,455	23.5	176	22.2	251	25.7	479	22.2
Other	1,073	17.4	438	15.6	6	16.8	560	18.8	13	18.5	12	19.8	44	17.7
No Response	1,583	19.6	433	16.1	13	19.3	987	21.0	18	21.5	21	23.1	111	20.0

**Table 4.3. Students' Score Report Preferences at Time of Testing**

Name	State	Total	Number of Students		Percent of Students in College Readiness Standards Ranges						
			1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF ALABAMA	Alabama	10,312	3,946	6,366	1	7	26	32	22	11	1
AUBURN UNIVERSITY	Alabama	9,162	3,822	5,340	1	6	24	32	23	13	1
UNIVERSITY OF ALABAMA IN BIRMINGHAM	Alabama	6,956	1,845	5,111	1	10	31	31	18	8	1
TROY UNIVERSITY-TROY	Alabama	4,975	1,306	3,669	2	15	38	28	14	4	0
UNIVERSITY OF SOUTH ALABAMA	Alabama	3,788	1,218	2,570	1	11	34	30	18	6	0
JACKSONVILLE STATE UNIVERSITY	Alabama	3,239	915	2,324	2	17	41	26	11	3	0
UNIVERSITY OF ALABAMA IN HUNTSVILLE	Alabama	2,751	675	2,076	1	9	26	31	21	11	1
UNIVERSITY OF NORTH ALABAMA	Alabama	2,726	805	1,921	1	10	35	32	16	5	0
ALABAMA A & M UNIVERSITY	Alabama	2,539	866	1,673	5	32	46	15	3	0	0
ALABAMA STATE UNIVERSITY	Alabama	2,239	654	1,585	5	33	45	14	2	1	0
SAMFORD UNIVERSITY	Alabama	1,821	340	1,481	1	5	19	30	25	19	1
AUBURN UNIVERSITY MONTGOMERY	Alabama	1,775	470	1,305	2	18	40	26	12	2	0
UNIVERSITY OF MONTEVALLO	Alabama	1,340	359	981	1	8	28	35	20	8	0
BIRMINGHAM-SOUTHERN COLLEGE	Alabama	1,215	206	1,009	1	9	22	28	23	16	1
WALLACE STATE COLLEGE	Alabama	1,212	439	773	2	16	43	27	11	2	0
SHELTON STATE COMMUNITY COLLEGE	Alabama	1,200	353	847	3	19	44	25	8	1	0
CALHOUN COMMUNITY COLLEGE	Alabama	1,102	390	712	2	15	34	31	14	3	0
JEFFERSON STATE COMMUNITY COLLEGE	Alabama	1,074	315	759	2	17	44	27	8	1	0
MISSISSIPPI STATE UNIVERSITY	Mississippi	1,067	163	904	1	8	24	28	22	15	1
TUSKEGEE UNIVERSITY	Alabama	968	210	758	5	26	41	24	4	1	0
UNIVERSITY OF MOBILE	Alabama	911	154	757	1	12	35	31	16	5	0
UNIVERSITY OF WEST ALABAMA	Alabama	871	207	664	4	20	44	22	9	1	0
NCAA ELIGIBILITY CENTER	Indiana	870	360	510	3	15	40	25	11	5	0
UNIVERSITY OF GEORGIA	Georgia	791	97	694	1	6	19	27	26	18	2
SOUTHERN UNION STATE COMMUNITY COLLEGE	Alabama	759	197	562	3	20	41	26	9	1	0
GADSDEN STATE COMMUNITY COLLEGE	Alabama	757	212	545	1	18	41	28	10	2	0
STILLMAN COLLEGE	Alabama	705	137	568	4	33	48	13	1	0	0
FAULKNER UNIVERSITY	Alabama	663	163	500	2	18	38	25	12	3	0
SPRING HILL COLLEGE	Alabama	659	89	570	3	8	28	32	19	9	1
MILES COLLEGE	Alabama	620	102	518	8	40	42	9	1	0	0
All Other Institutions		26,147	6,135	20,012	2	14	31	24	16	11	2
Total		95,214	27,150	68,064	2	13	32	27	16	9	1

# Section V

# Optional Writing Test Results

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing**

	N		English		Average ACT Scores			
					Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
<b>All Students</b>	<b>8,700</b>	<b>814,713</b>	<b>23.2</b>	<b>21.5</b>	<b>6.6</b>	<b>7.2</b>	<b>21.6</b>	<b>20.8</b>
African American/Black	1,758	96,225	18.7	16.5	6.1	6.4	17.8	16.5
American Indian/Alaska Native	75	5,489	22.5	18.9	6.4	6.7	20.8	18.5
Caucasian American/White	6,109	497,164	24.4	22.8	6.7	7.3	22.5	21.9
Hispanic	144	85,681	23.2	18.4	6.9	7.0	21.8	18.4
Asian American/Pacific Islander	211	44,716	26.4	23.5	7.3	7.6	24.6	22.8
Other/No Response	403	85,438	23.4	21.4	6.8	7.2	21.9	20.8
Males	3,875	357,025	23.2	21.1	6.4	6.9	21.3	20.3
Females	4,817	455,190	23.2	21.7	6.8	7.4	21.8	21.2
Missing	8	2,498	22.3	22.1	6.4	7.2	20.6	21.3



